



ecology and environment, inc.

CLOVERLEAF BUILDING 3, 6405 METCALF, OVERLAND PARK, KANSAS 66202, TEL. 913/432-9961

International Specialists in the Environment

MEMORANDUM

Site:	Maline Creek
ID #	MOD980631168
Date:	1.5
Other:	3-14-94

TO: Roy Crossland, EPA/DPO

FROM: Joseph M. Parish, E & E/TATM

THRU: Joe Chandler, E & E/TATL

DATE: March 14, 1994

SUBJECT: Site Assessment: Maline Creek Site, Bellefontaine Neighbors, St. Louis County, Missouri

TDD: T07-9402-015

PAN: EM00307SCA

EPA/OSC: Don Hamera

30290438



Superfund

INTRODUCTION

The Ecology and Environment, Inc., Technical Assistance Team (TAT) was tasked by the U.S. Environmental Protection Agency (EPA) Emergency Planning and Response (EP&R) Branch to investigate and document the progressive exposure through erosion of asbestos-laden transite pipe buried along the banks of Maline Creek, located in Bellefontaine Neighbors, north St. Louis County, Missouri. Specific elements of the task included providing photographic documentation of continuing erosion of the cut bank and subsequent exposure of transite pipe brought on by flooding during the summer of 1993. TAT was to provide both a set of prints and slides to the site OSC.

SITE HISTORY

Maline Creek is located adjacent to the former Certain-Teed property at 600 St. Cyr Rd. and the former GAF property at 9215 Riverview Blvd, Bellefontaine Neighbors, St. Louis County, Missouri. Branch Metal processing and Gateway Container presently occupy the address at St. Cyr Road, and the address at Riverview Blvd. is currently occupied by several businesses, including Riverview Industrial Services. The area around the properties is industrial/residential and is in the incorporated limits of Bellefontaine Neighbors and Riverview.

Certain-Teed and GAF Corporation manufactured asbestos-containing transite pipe and sheeting and used the field between the properties as an open dump for scrap materials containing asbestos. Both facilities ceased operation in 1979. At that time both companies began remediation of the site to comply with the Missouri Solid Waste Management Law. Remediation included an on-site landfill and stabilization of the creek bank and waste pile. A site inspection in May of 1980 confirmed that

the companies were in basic compliance, but revealed that broken transite pipe remained along the creek banks southeast of 600 St. Cyr Road.

Since that time, a number of inspections and investigations including site visits by the Missouri Department of Natural Resources (MDNR) and the EPA, have revealed progressive erosion and exposure of asbestos-containing materials along Maline Creek bank. A more detailed site history is given in reports from TAT site assessments under TDDs T07-9209-003 and T07-9203-012.

ON-SITE ACTIVITIES

The latest investigation is in response to potential erosional and subsequent exposure problems brought on by the flooding of Maline Creek during the summer of 1993. The area under investigation is located just south of a bridge spanning a tributary of Maline Creek along the vicinity of 600 St. Cyr Rd., Bellefontaine Neighbors, Missouri, as shown in the attached site map.

The TAT arrived at the site on February 11, 1994, at approximately 1100 hrs. TAT reached the creek bed by climbing down the embankment near the aforementioned bridge. TAT proceeded to photograph the area, paying particular attention to the cut bank on the east side of the creek where the transite pipe was exposed. TAT walked down the creek from the bridge for approximately 200 yards. After photo documenting the site as requested by the OSC, TAT left the site at approximately 1200 hours.

TAT made the following observations during the brief site visit:

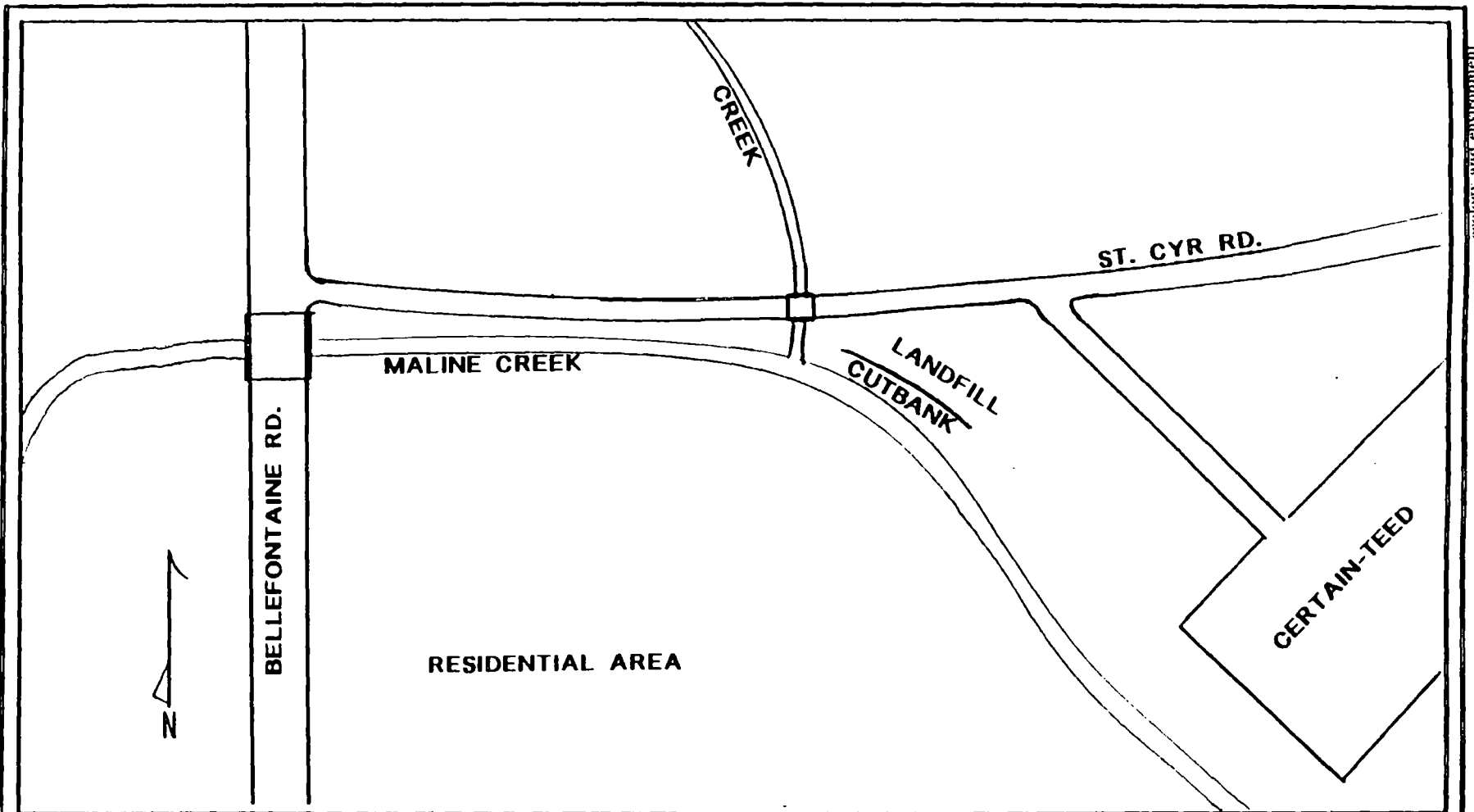
- o There had been a recent slumping of the creek bank, resulting in exposure of more transite pipe.
- o The creek bed was littered with more transite pipe than in previous investigations.
- o A portion of a fiber drum was exposed along the creek bank, suggesting that materials other than transite pipe may have been buried (refer to the photolog).

SUMMARY

TAT was tasked by the EPA/EP&R to investigate and document the progressive exposure and erosion of asbestos-filled transite pipe along the banks of Maline Creek located in Bellefontaine Neighbors, North St. Louis County, Missouri. Specific elements of the task included providing photographic documentation of continuing erosion of the cut bank and subsequent exposure of transite pipe resulting from flooding during the summer of 1993. TAT visited the site on February 11, 1994. The site was photo documented as requested by the OSC. TAT noted that erosion of the cut bank and exposure of transite pipe fragments had progressed since its last site visit in 1992. A photographic record and slides were forwarded to the OSC, as requested.

ATTACHMENTS

References
Site Locator Map
Site Map

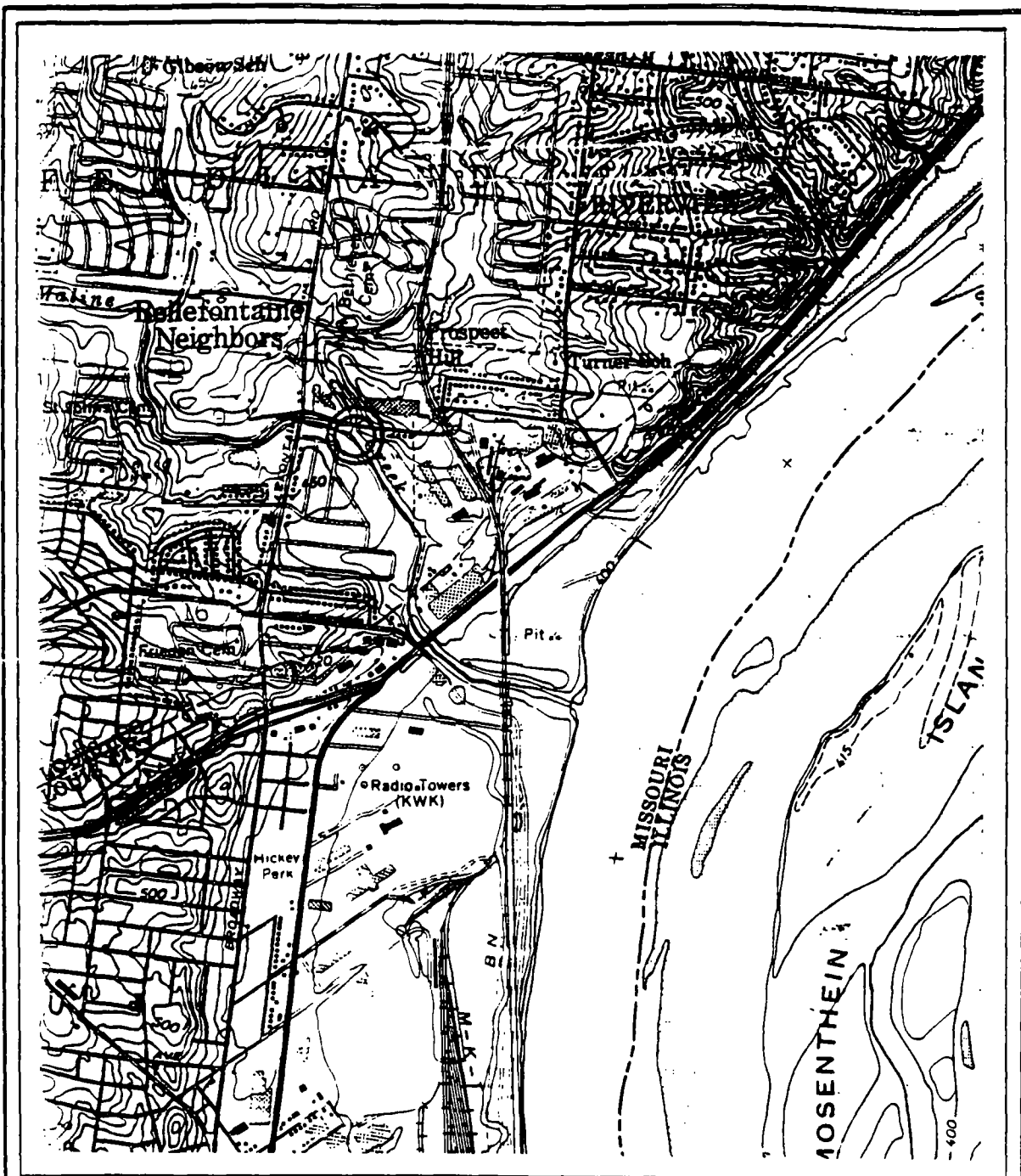


MALINE CREEK SITE MAP

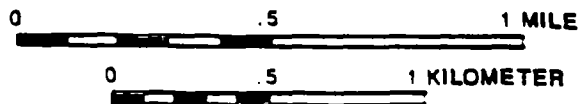
SCALE: 1 inch = 200 feet

TDD#T07-9402-015

PAN#EMO0307SCA



SCALE 1:24000

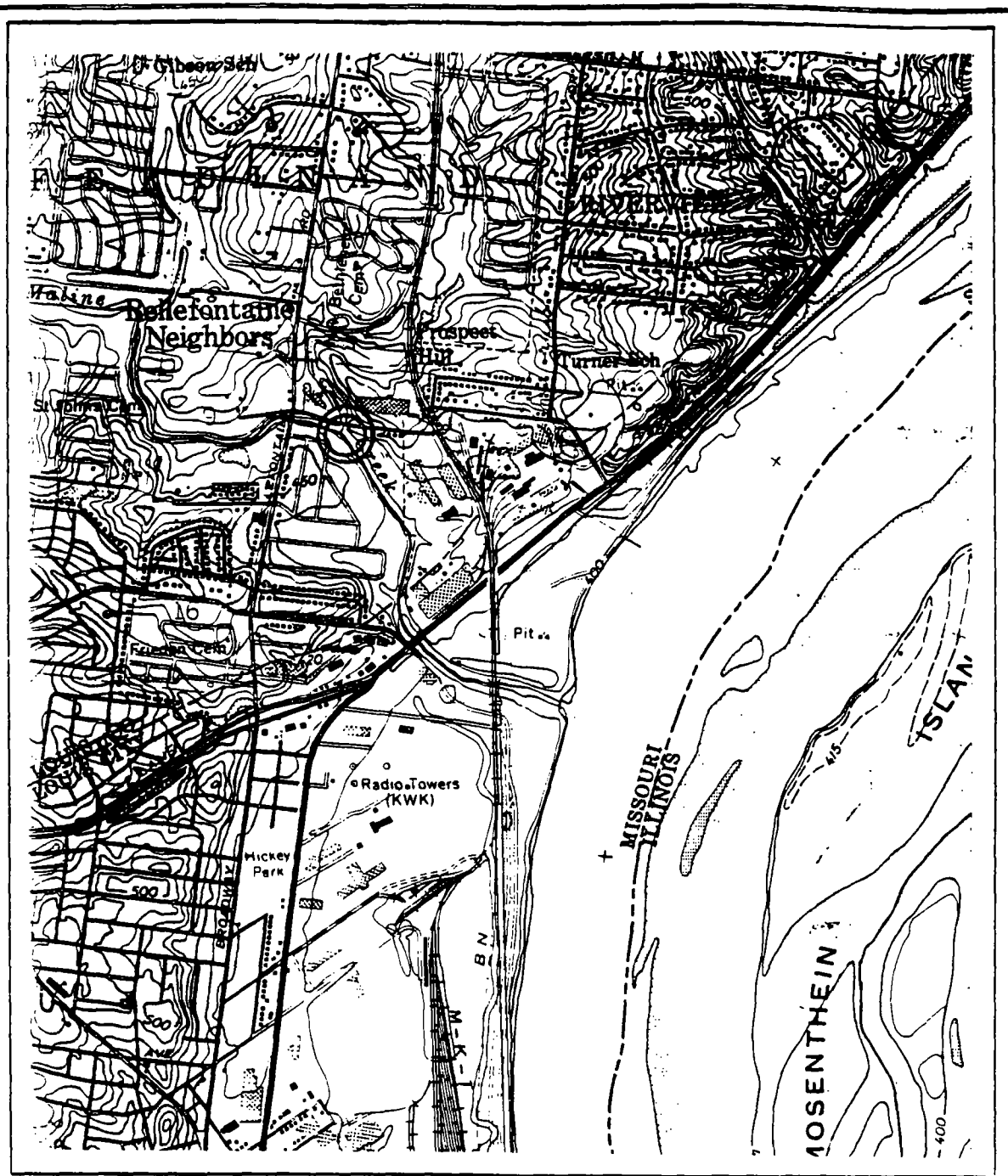


LOCATOR MAP

TDD#T07-9402-015

MALINE CREEK SITE

PAN#EMO0307SCA



SCALE 1:24000

0 .5 1 MILE

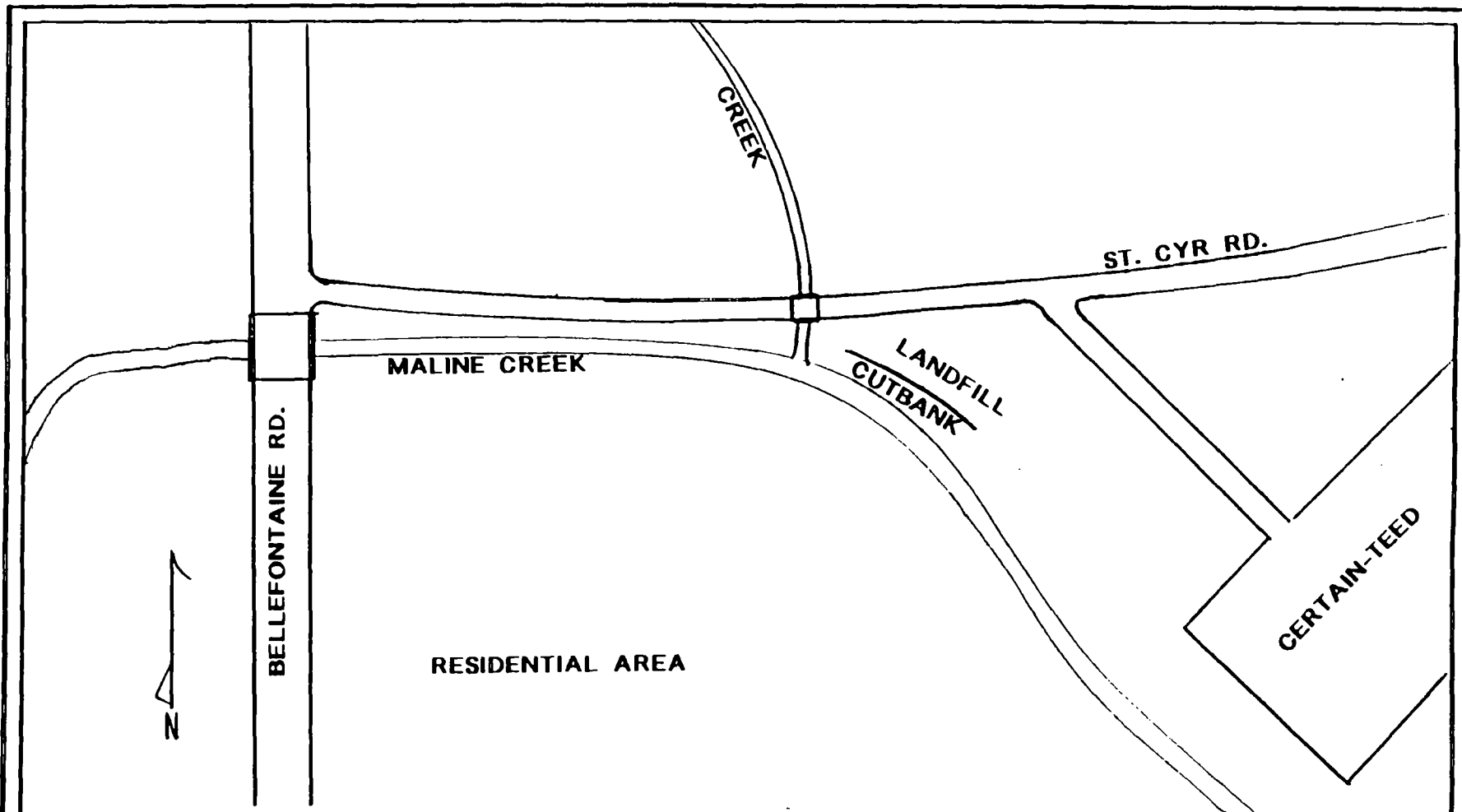
0 .5 1 KILOMETER

LOCATOR MAP

TDD#T07-9402-015

MALINE CREEK SITE

PAN#EMO0307SCA



MALINE CREEK SITE MAP

SCALE: 1 inch = 200 feet

TDD#T07-9402-015

PAN#EMO0307SCA